



State Revolving Fund Loan Programs

Drinking Water, Wastewater, Nonpoint Source

ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

TOWN OF FORTVILLE WATER MAIN AND STORAGE TANK IMPROVEMENTS SRF PROJECT DW09 01 30 01

DATE: March 25, 2009

TARGET PROJECT APPROVAL DATE: April 24, 2009

I. INTRODUCTION

The above entity has applied to the Drinking Water State Revolving Loan Fund (SRF) for a loan to finance all or part of the drinking water project described in the accompanying Environmental Assessment (EA). As part of facilities planning requirements, an environmental review has been completed which addresses the project's impacts on the natural and human environment. This review is summarized in the attached EA.

II. PRELIMINARY FINDING OF NO SIGNIFICANT IMPACT (FNSI)

The SRF Drinking Water Program has evaluated all pertinent environmental information regarding the proposed project and determined that an Environmental Impact Statement is not necessary. Subject to responses received during the 30-day public comment period, and pursuant to Indiana Code 4-4-11, it is our preliminary finding that the construction and operation of the proposed facilities will result in no significant adverse environmental impact. In the absence of significant comments, the attached EA shall serve as the final environmental document.

III. COMMENTS

All interested parties may comment upon the EA/FNSI. Comments must be received at the address below by the deadline date above. Significant comments may prompt a reevaluation of the preliminary FNSI; if appropriate, a new FNSI will be issued for another 30-day public comment period. A final decision to proceed, or not to proceed, with the proposed project shall be effected by finalizing, or not finalizing, the FNSI as appropriate. Comments regarding this document should be sent within 30 days to:

Max Henschen
Senior Environmental Manager
State Revolving Fund -- IGCN 1275
100 N. Senate Ave.
Indianapolis, IN 46204
317-232-8623

ENVIRONMENTAL ASSESSMENT

I. PROJECT IDENTIFICATION

Project Name and Address:

Town of Fortville
714 East Broadway Street
Fortville, IN 46040

SRF Project Number:

DW 09 01 30 01

Authorized Representative:

Mr. Sean Simmons, President
Fortville Town Council

II. PROJECT LOCATION

Fortville is located in Vernon Township in the northwest part of Hancock County. The study area is shown on Exhibit 1, and is limited to the town's corporate limits. The project is located in Sections 9, 10, and 21 of Township 17 North, Range 6 East in the Ingalls USGS quadrangle; see Figure 2.

III. PROJECT NEED AND PURPOSE

The water main replacement projects on Motel Drive, Linda Drive, Mill Street, and in Helmcrest subdivision will replace undersized water mains to improve system flows and pressures. These projects are shown on Exhibit 3.

The water main replacement projects on Garden Street, State Road 67, Shaw Street, and Madison Street will provide distribution system looping to improve system pressure and improve water quality. These projects are shown on Exhibits 3 and 4.

The elevated storage tank rehabilitation project will restore the protective coating of the tank for interior and exterior corrosion protection; this will extend the useful life of the storage tank by 10 years. An internal/external 1994 inspection recommended recoating the tank.

The new 500,000 gallon elevated storage tank will allow for additional storage capacity to meet state standards for storage. The town's current average daily water demand is 430,000 gallons per day, and its future demand projection is 535,000 gallons per day. The existing elevated water storage tank has only a 300,000 gallon capacity. The new elevated tank plus the existing water tank would provide the town with 800,000 gallons of storage capacity to meet state requirements. The new elevated storage tank is shown on Exhibit 5. The proposed water tower will be constructed on the grounds of the Vernon Township School south of town, at the intersection of State Road 234 and County Road 200 West; see Figure 6.

IV. PROJECT DESCRIPTION

The Motel Drive and Linda Drive water main replacement project will install 1,625 feet of 4-inch PVC pipe.

The Mill Street water main replacement project will install 1,360 feet of 8-inch ductile iron water main.

The Garden Street and the State Road 67 water main replacement project from Town Hall to Elm Street will install 1,925 feet of 8-inch ductile iron water main.

The Shaw Street water main replacement project from State Road 67 to Garden Street will install 3,050 feet of 12-inch ductile iron water main.

The Madison Street water main replacement project from State Road 67 to County Line will install 3,735 feet of 8-inch ductile iron water main.

The Helmcrest subdivision water main replacement project will install 145 feet of 6-inch and 4,350 feet of 8-inch ductile iron water main.

The 300,000 gallon elevated water storage tank near Noel Avenue and Mill Street will receive interior and exterior recoating.

V. ESTIMATED PROJECT COSTS, AFFORDABILITY AND FUNDING

A. Selected Plan Estimated Cost Summary

Construction Costs

Motel Drive Water Main Replacement	\$ 112,700
Linda Drive Water Main Replacement	174,700
Garden Street Water Main Replacement	50,800
State Road 67, Shaw Street to Hospital	159,300
Shaw Street, State Road 67 to Garden Street Water Main	117,600
Mill Street Water Main	150,200
State Road 67, Ohio to Madison Water Main	137,000
Madison Street, State Road 67 to County Line Water Main	257,300
Helmcrest Water Main	483,600
New 500,000 gallon Water Tower	1,530,000
Existing water tower recoating	<u>350,000</u>
Construction subtotal	\$3,523,200
Contingency	<u>105,696</u>
Construction Cost	\$3,628,896

Non-Construction Costs

Engineering Fees

Design	\$ 235,400
Construction & Inspection	120,000
Preliminary Engineering Report	<u>28,000</u>

Other (Survey, soil borings)	19,500
Administrative, Legal, Bond	<u>178,000</u>
Non-Construction Cost \$	580,900

Total Estimated Project Cost \$4, 209,796

- B.** Fortville will finance the project with a 20-year loan of approximately \$4,209,796 from the State Revolving Fund (SRF) Loan Program at an interest rate to be determined at the time of loan closing. Monthly user rates and charges may need to be analyzed to determine if adjustments are required for loan repayment.

VI. DESCRIPTION OF EVALUATED ALTERNATIVES

Water Main Replacement Projects: The no-action alternative for the water main replacement projects would require that the consumers in these areas continue to experience poor water quality, insufficient pressures and insufficient water quantity. The no-action alternative was rejected in favor of the selected plan as described above.

New Elevated Water Tower: The no-action alternative would not allow the town to meet the minimum state standard requirement for storage capacity. This alternative was rejected in favor of the selected plan as described above.

VII. ENVIRONMENTAL IMPACTS OF THE FEASIBLE ALTERNATIVES

A. Direct Impacts of Construction and Operation

Undisturbed/Disturbed Land: All work will be done in streets disturbed easements or at the Vernon Township School, which has been disturbed by construction activity.

Structural Resources (Exhibit 7): The projects will not affect historic sites or districts. Audible, atmospheric or visual effects of the projects will be temporary. The SRF's finding pursuant to Section 106 of the National Historic Preservation Act is: "no historic properties affected."

Surface Waters and Wetlands (Exhibits 8 & 9): The projects will not affect wetlands.

100-Year Floodplain (Exhibit 10): The new elevated water tower will be located in the 100-year floodplain. Floodwater displacement will be minimal by the water tower foundation. None of the other projects are located in the 100-year floodplain.

Groundwater: None of the proposed projects will negatively affect a sole source aquifer or other groundwater resources.

Plants and Animals: None of the proposed projects will affect endangered plants or animals.

Prime Farmland: None of the proposed projects will convert prime/unique farmland.

Air Quality: Air quality will be temporarily impacted by construction activities, including vehicle exhaust and dust.

Open Space and Recreational Opportunities: None of the proposed projects will create or destroy open space and recreational opportunities. There may be some temporary interruption of a trail next to the new elevated water tower site during its construction.

The proposed projects will not affect National Natural Landmarks.

B. Indirect Impacts

The town's Preliminary Engineering Report (PER) states: *The Town through the authority of its Council, planning commission or other means will ensure that future development, as well as future supply, storage, distribution, or treatment works projects connecting to SRF-funded facilities, will not adversely impact archaeological/historical/structural resources, wetlands, wooded areas, or other sensitive environmental resources. The Town will require new development and treatment works projects to be constructed within the guidelines of the U.S. Fish and Wildlife Service, IDNR, IDEM, and other environmental review authorities.*

C. Comments from Environmental Review Authorities

This document serves as the first notice to the U.S. Fish and Wildlife Service and the IDNR Environmental Unit.

The Natural Resources Conservation Service, in correspondence dated November 4, 2008, stated that the projects *will not cause a conversion of prime farmland.*

The Indiana Department of Natural Resources Division of Historic Preservation and Archaeology, in correspondence dated March 4, 2009, stated: *Based on our analysis, it has been determined that no historic structures will be altered, demolished, or removed by the proposed project. We concur with the archaeological report that no further archaeological investigations are necessary. If any archaeological artifacts, features, or human remains are uncovered during construction, state law (Indiana Code 14-21-1-17 & 29) requires that the discovery must be reported to the Department of Natural Resources within two (2) business days.*

VIII. MITIGATION MEASURES

The town's PER states:

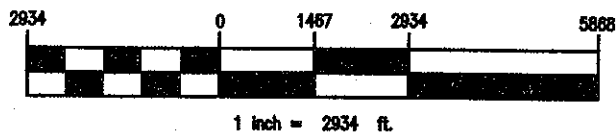
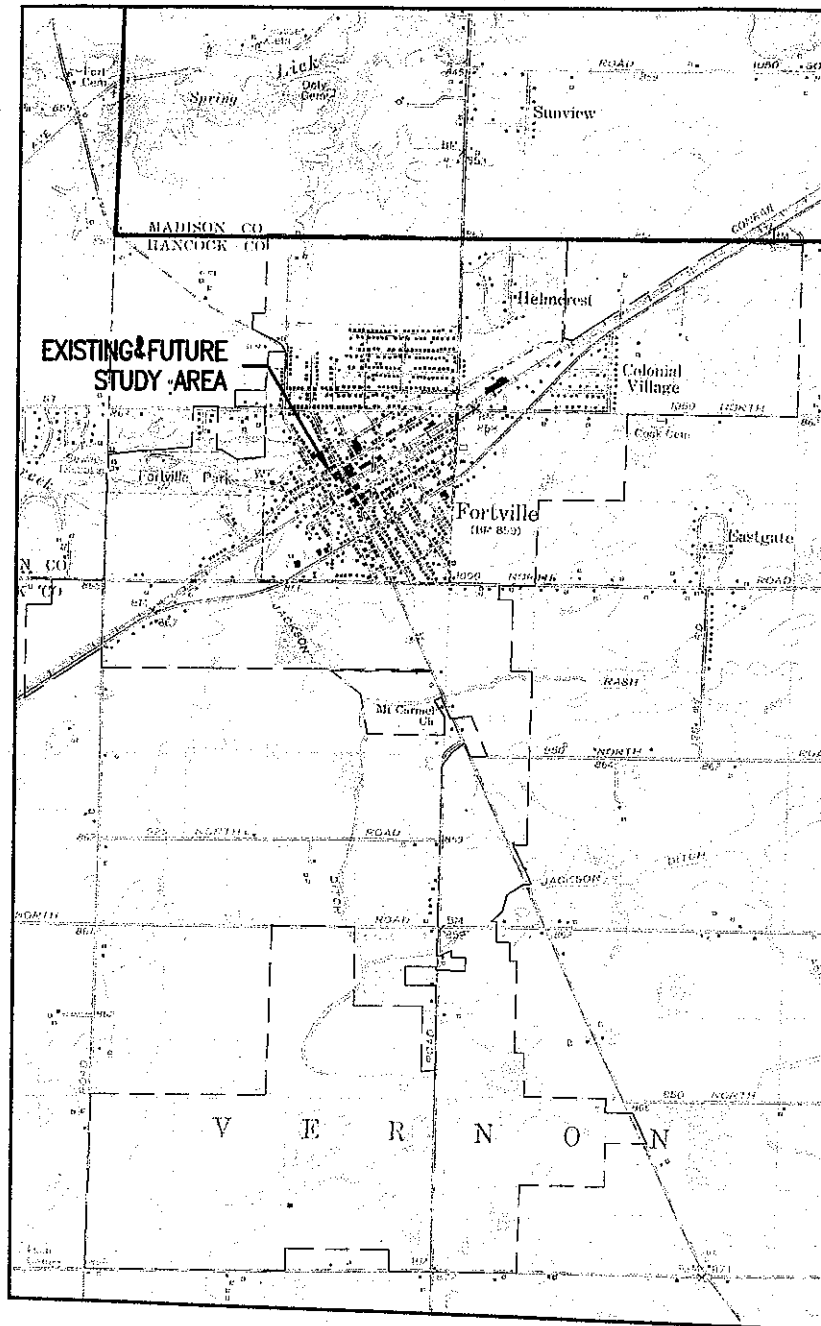
Siltation and erosion will be kept to a minimum. Any mitigation measures cited in comment letters or mandated by authorized reviewing agencies to reduce or eliminate siltation, erosion and waterway contamination will be implemented.

The project will be implemented to minimize impact to non-endangered species and their habitat. Mitigation measures cited in comment letters from the Department of Natural Resources and the U.S. Fish and Wildlife Service will be implemented.

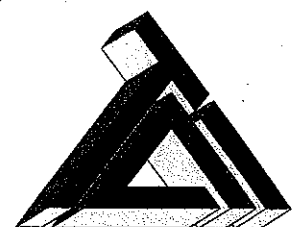
The adverse impacts caused by dust may be alleviated by periodically wetting the exposed soil and unpaved roadways to reduce the suspension of particles. To reduce noise impacts, work activities can be limited to normal daytime hours.

IX. PUBLIC PARTICIPATION

A properly noticed Public Hearing was held on December 15, 2008 at 7:00 pm at the Fortville Town Hall. There were no written comments received by the utility during the 5-day comment period following the public hearing.

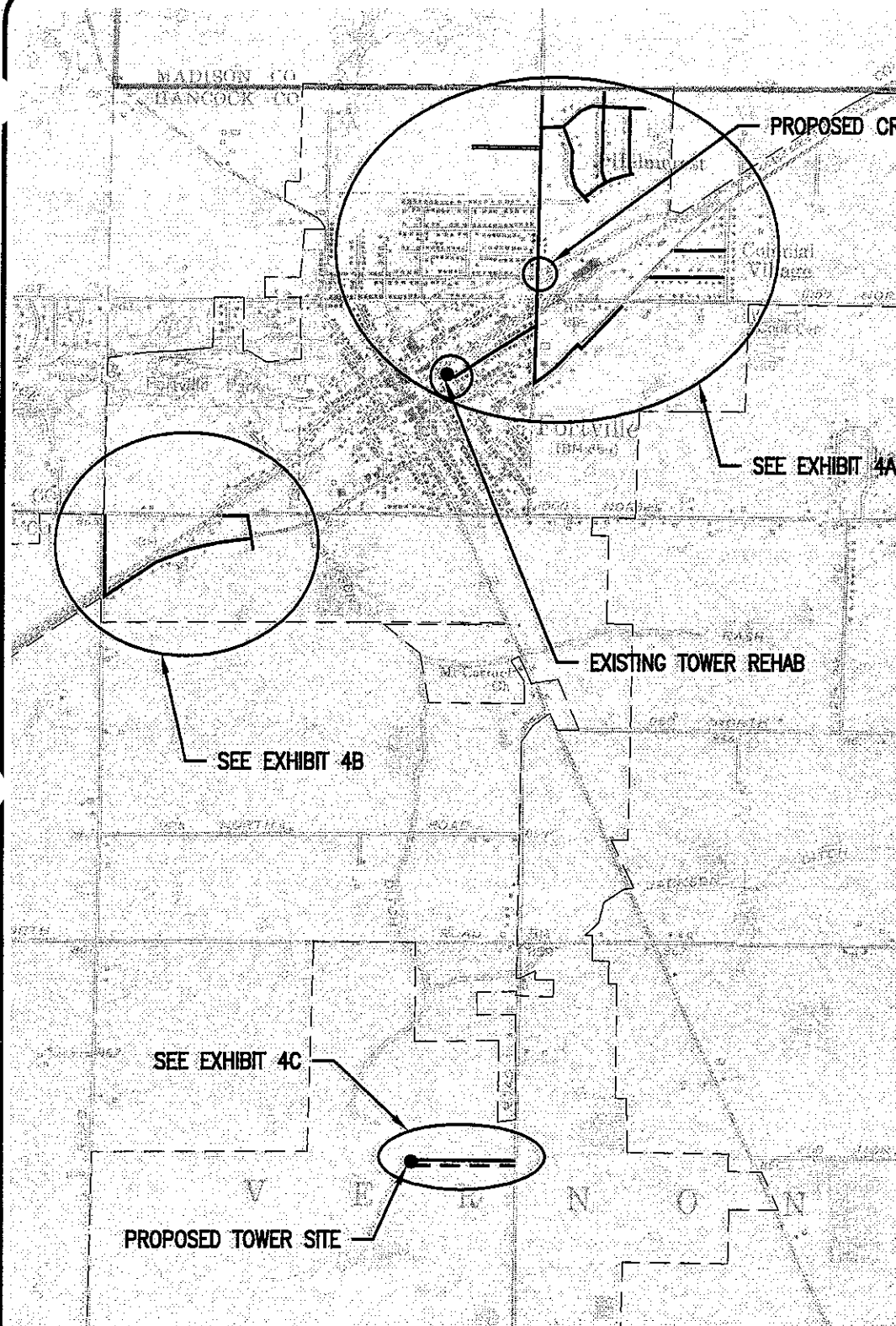


EXISTING/FUTURE STUDY AREA
FORTVILLE, INDIANA



TRIAD ASSOCIATES INC.
 5835 LAWTON LOOP EAST DRIVE
 INDIANAPOLIS, INDIANA 46216
 PHONE: 317-377-5230 FAX: 317-377-5241

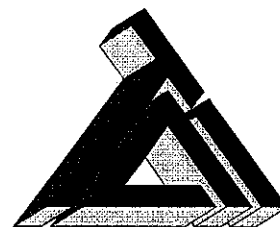
EXHIBIT 1



LEGEND

— REPLACE & EXTEND
WATER LINES

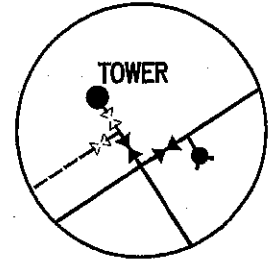
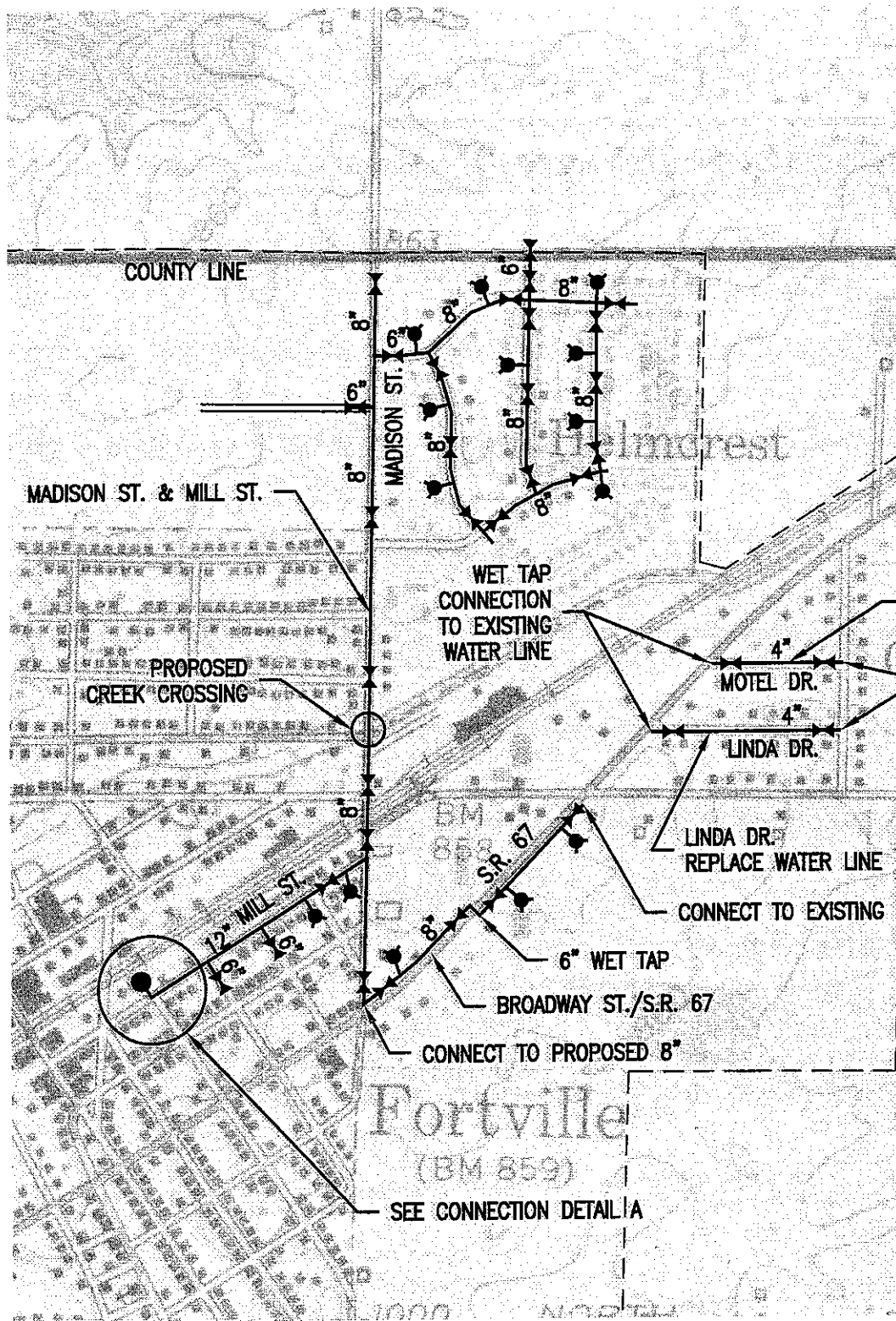
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PROPOSED WATERWORKS IMPROVEMENTS FORTVILLE, INDIANA

EXHIBIT 2

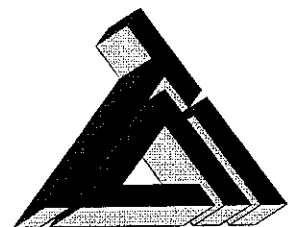


CONNECTION DETAIL A

LEGEND

- EXISTING WATER
- EXISTING VALVE
- REPLACE & EXTEND WATER LINES
- PROPOSED HYDRANT
- PROPOSED VALVE

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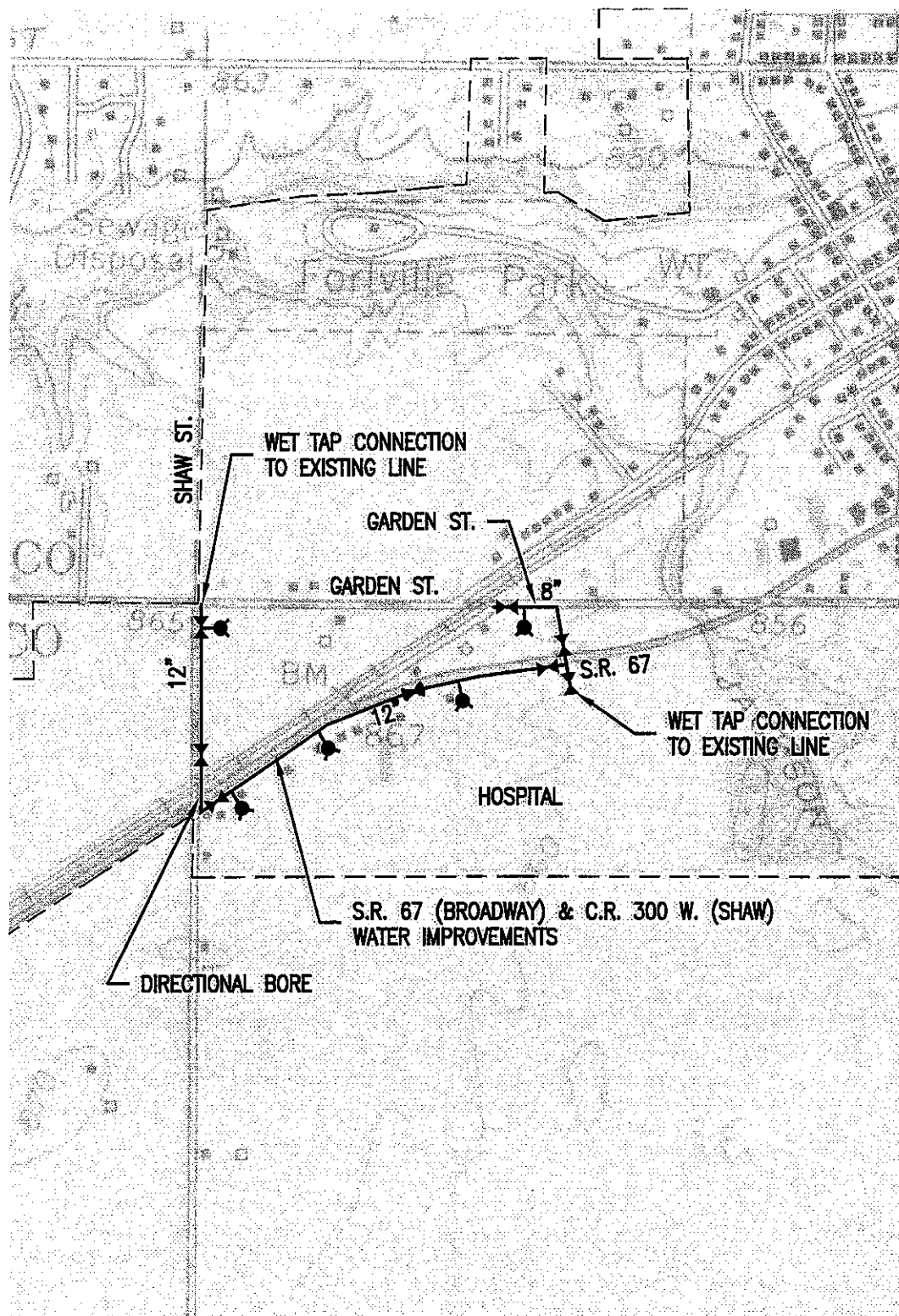


1 inch = 800 ft.



**PROPOSED WATERWORKS IMPROVEMENTS
FORTVILLE, INDIANA**

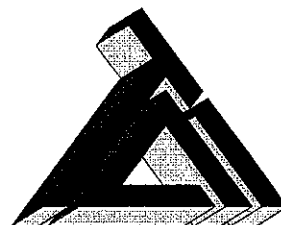
EXHIBIT 3



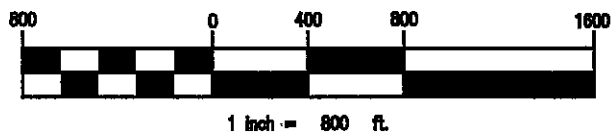
LEGEND

- EXISTING WATER
- ◀◀ EXISTING VALVE
- REPLACE & EXTEND WATER LINES
- PROPOSED HYDRANT
- ▶▶ PROPOSED VALVE

REVISED 2/26/09

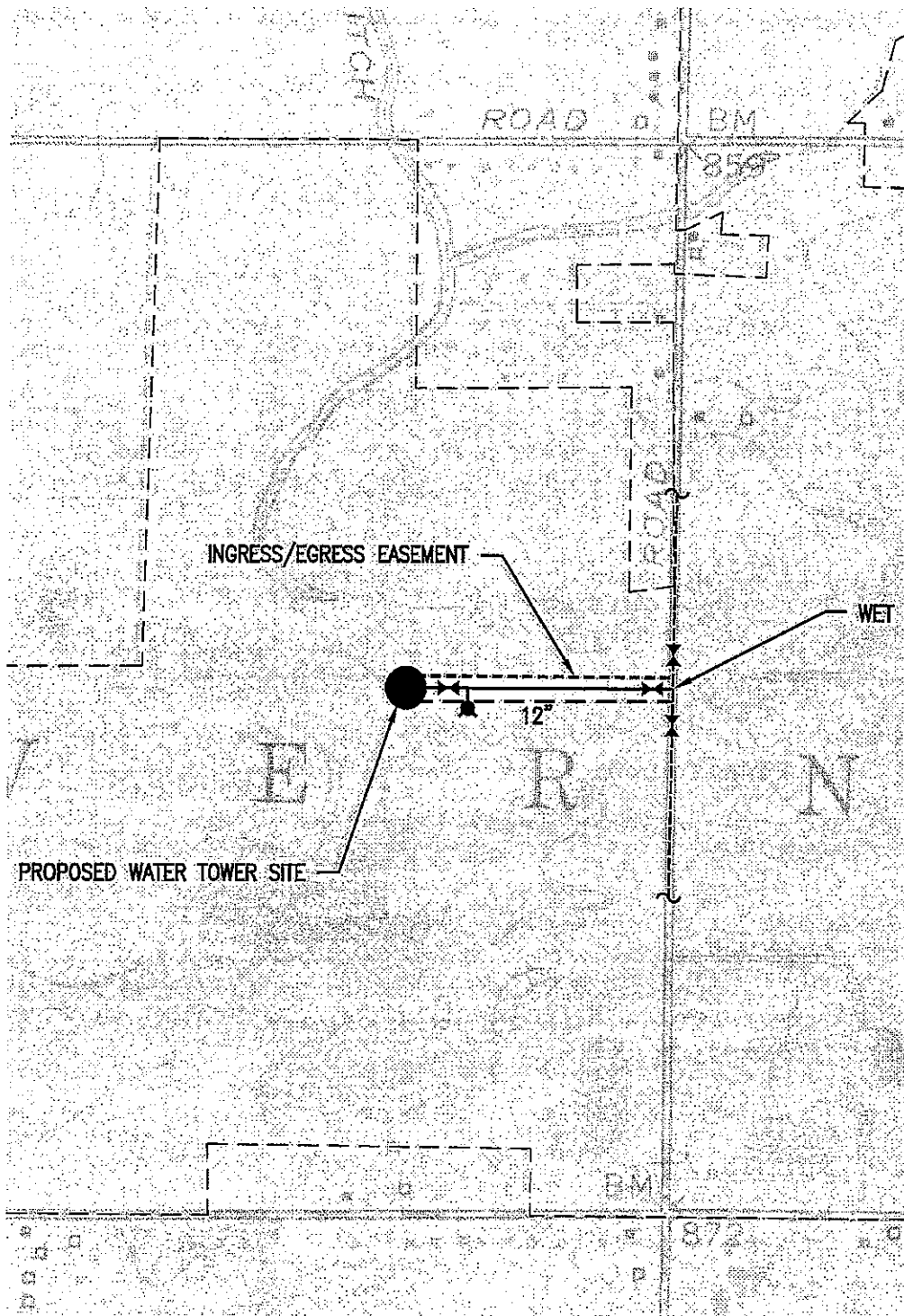


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PROPOSED WATERWORKS IMPROVEMENTS FORTVILLE, INDIANA

EXHIBIT 4



PROPOSED WATER TOWER SITE

INGRESS/EGRESS EASEMENT

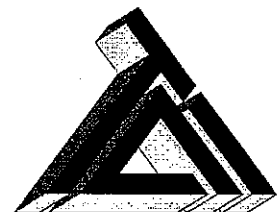
WET TAP TO EXISTING 12"

12"

LEGEND

- EXISTING WATER
- EXISTING VALVE
- REPLACE & EXTEND WATER LINES
- PROPOSED HYDRANT
- PROPOSED VALVE

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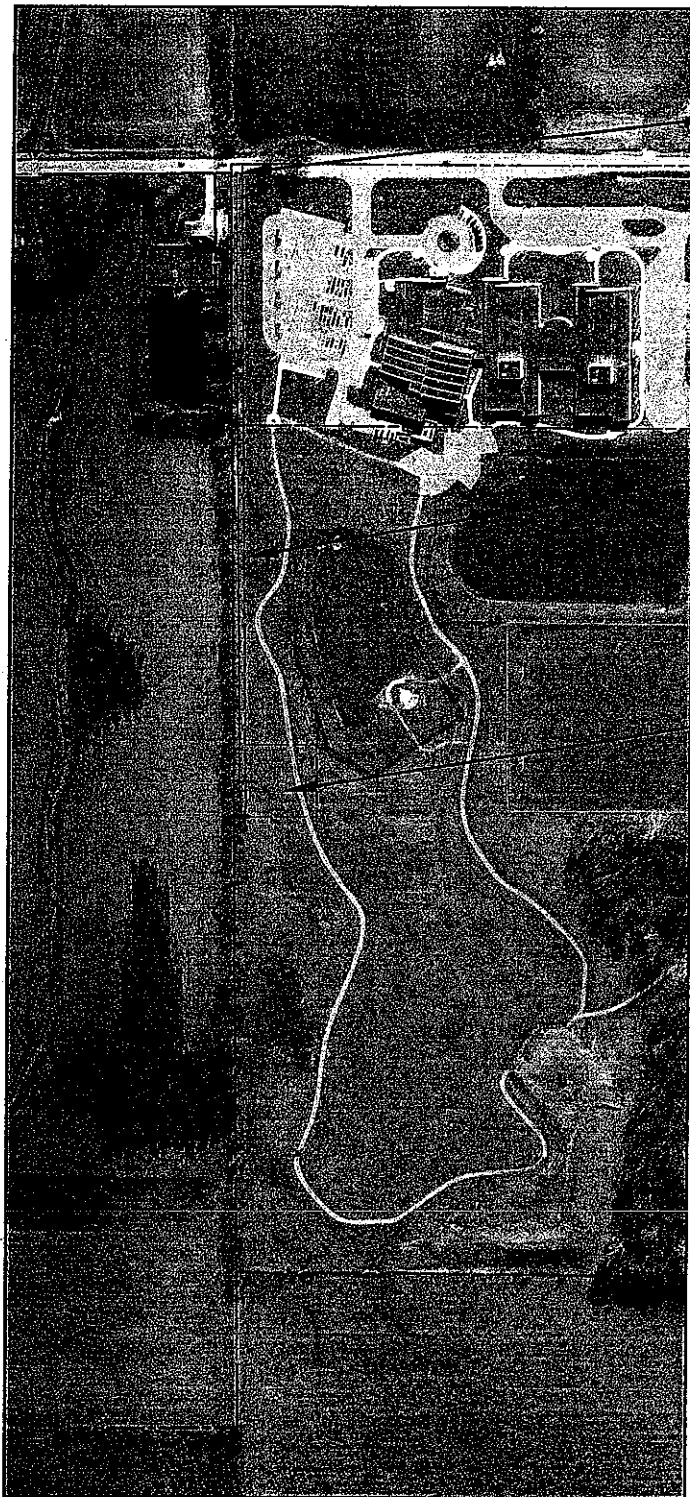


1 inch = 800 ft.



PROPOSED WATERWORKS IMPROVEMENTS FORTVILLE, INDIANA

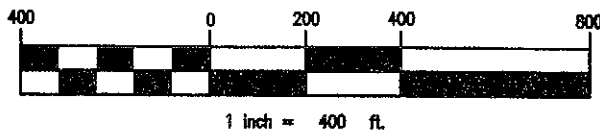
EXHIBIT 5



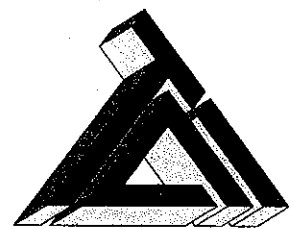
CONNECT TO EXISTING
WATER LINE

25' INGRESS/EGREES
UTILITY EASEMENT

ELEVATED WATER
TOWER SITE



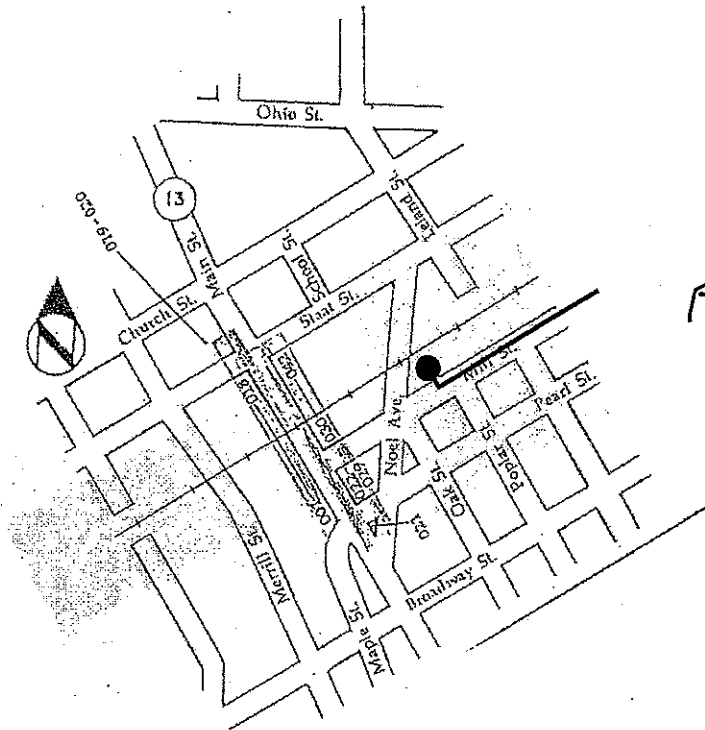
AERIAL OF WATER TOWER SITE
FORTVILLE, INDIANA



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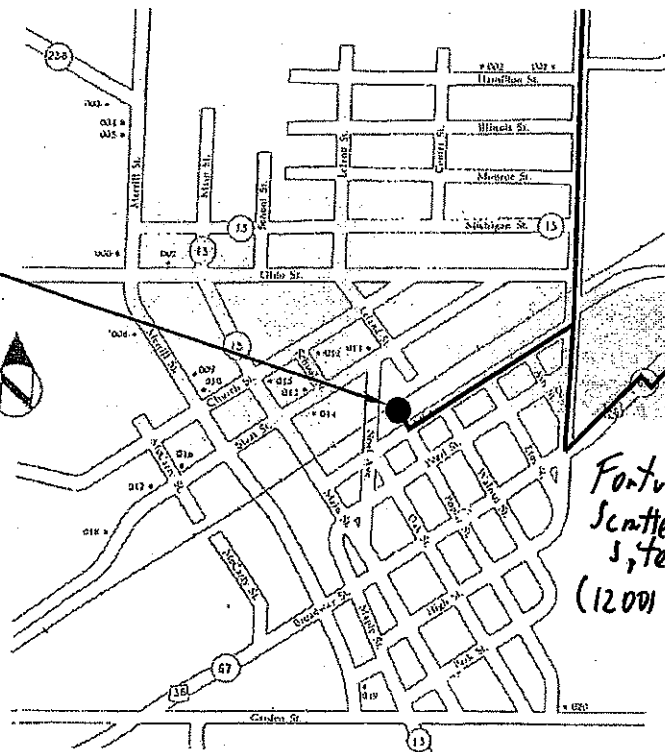
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EXHIBIT 6



Fortville Historic District
(11001-042)

PROPOSED
TOWER REHAB

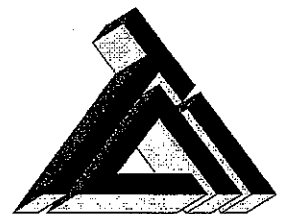


Fortville
Scattered
Sites
(12001-020)

LEGEND

— REPLACE & EXTEND
WATER LINES

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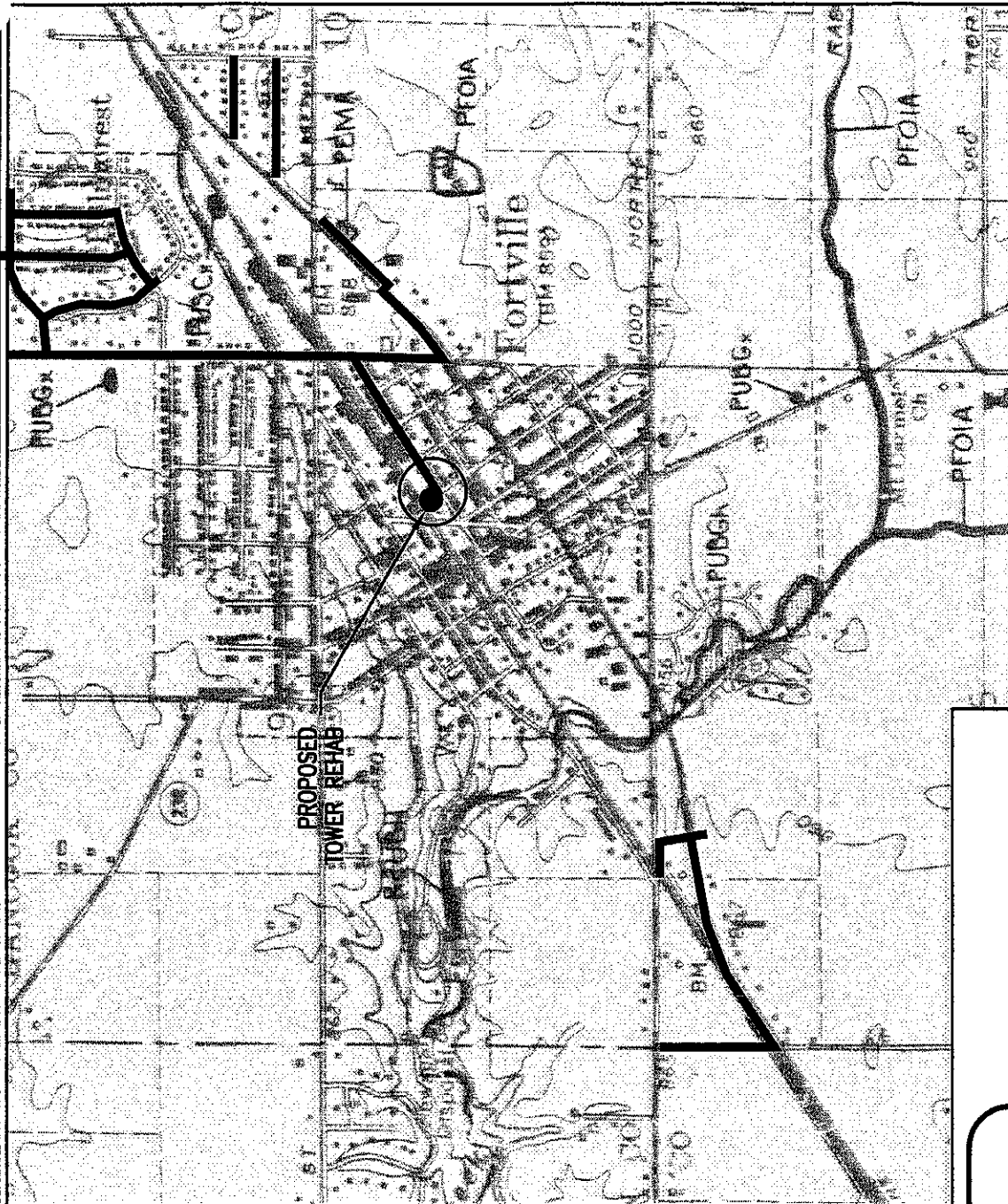


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SHEET No.

**SCATTERED SITES
FORTVILLE, INDIANA**

EXHIBIT 7



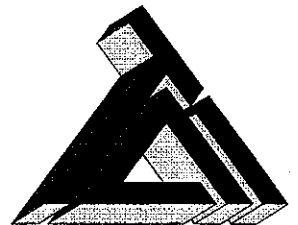
LEGEND

— REPLACE & EXTEND
WATER LINES

WETLANDS MAP FORTVILLE, INDIANA



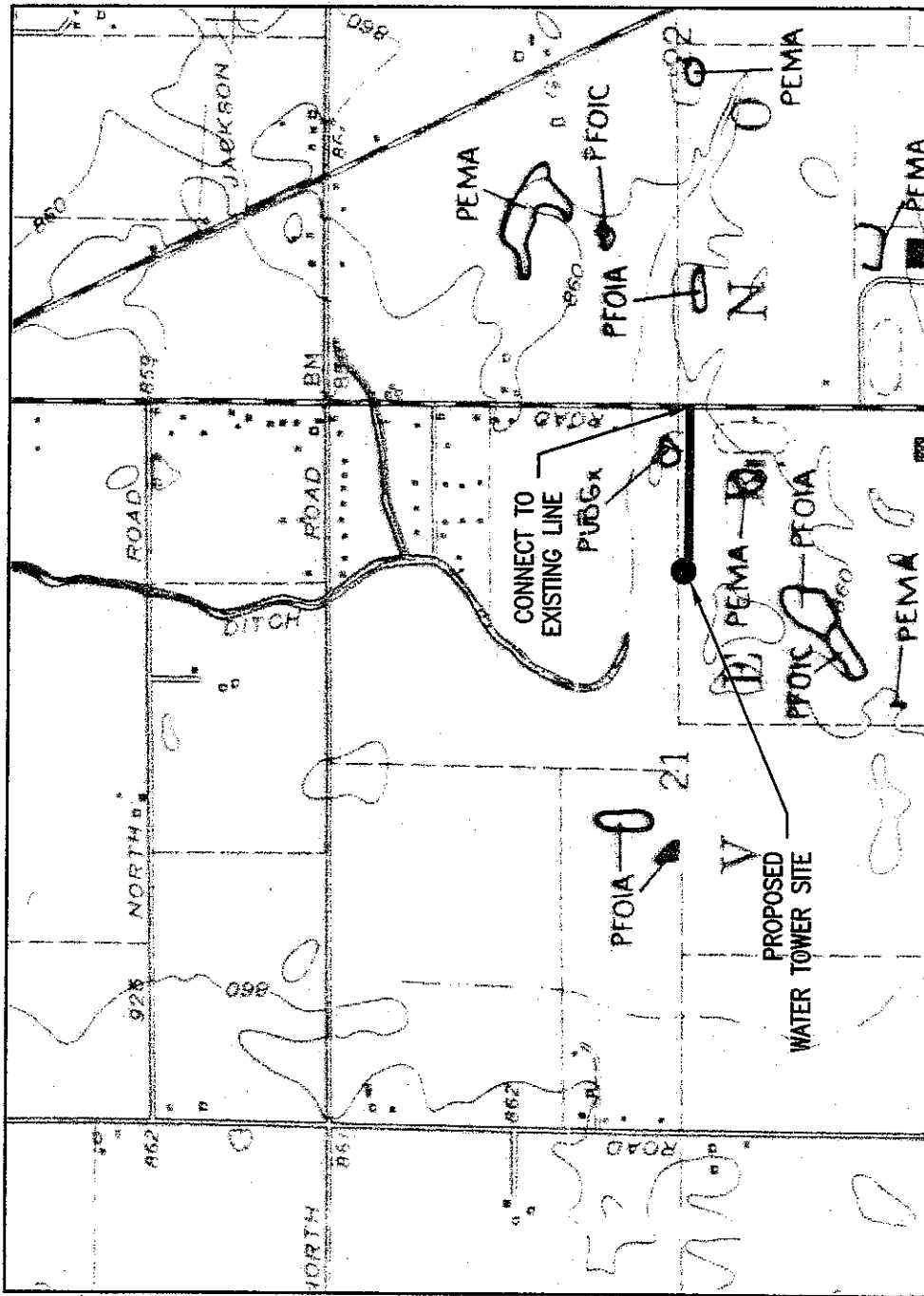
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SHEET No.

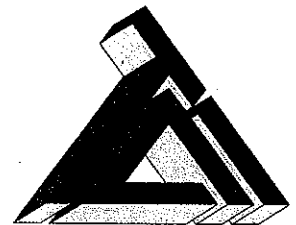
EXHIBIT 8



LEGEND

— REPLACE & EXTEND
WATER LINES

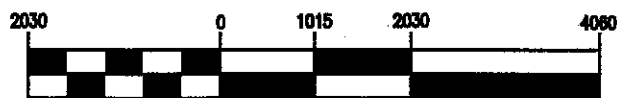
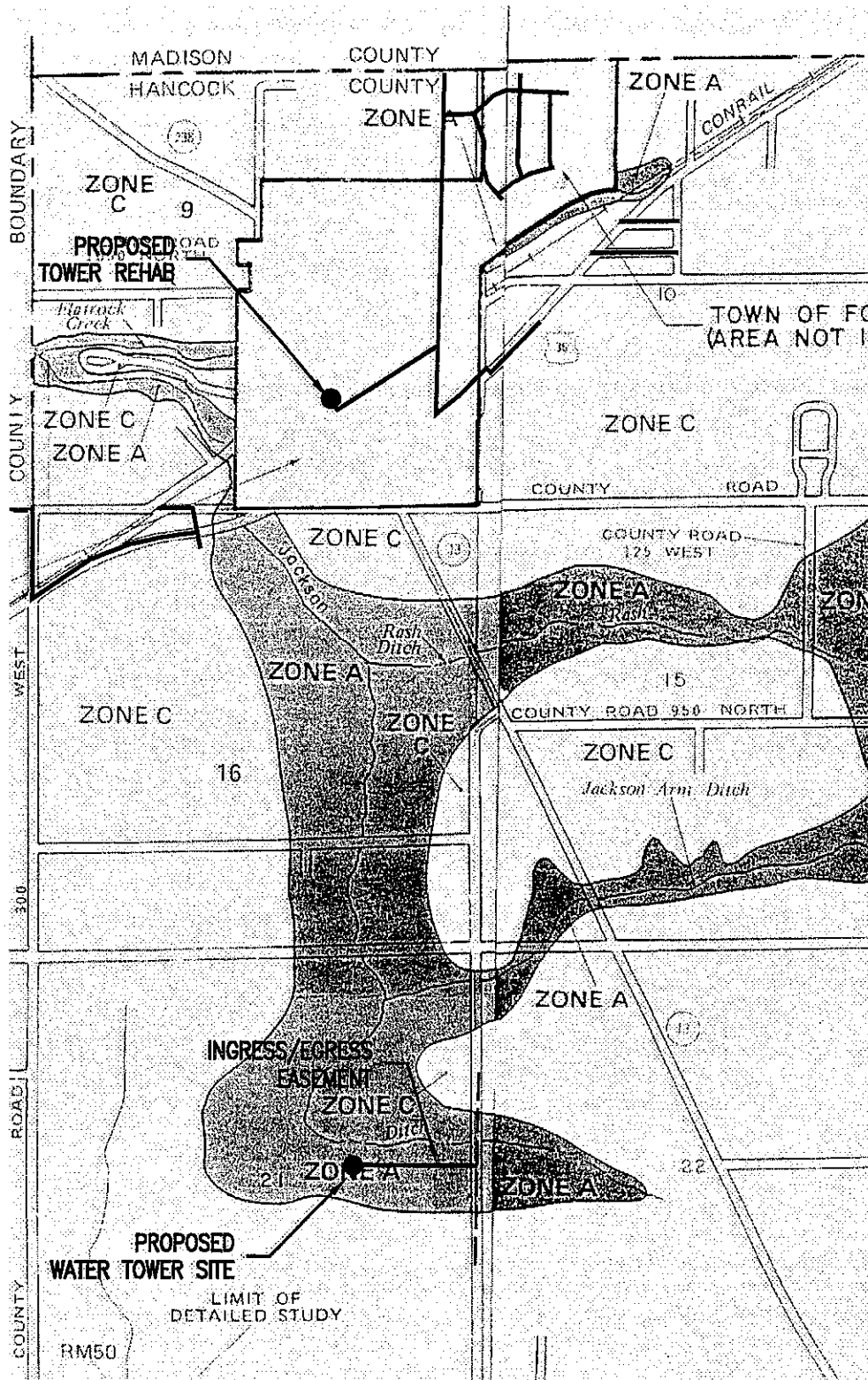
**WETLANDS MAP
FORTVILLE, INDIANA**



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SHEET No.

EXHIBIT 9

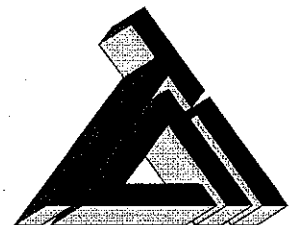


FLOODWAY MAP FORTVILLE, INDIANA

LEGEND

— REPLACE & EXTEND
WATER LINES

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SHEET No.

EXHIBIT 10

OF